The Wobbly Oscillator

Cuyahoga Amateur Radio Society

March 2021 Volume 51 Number 3

Carl Luetzelschwab, K9LA
Guest Speaker at March Meeting
Happy St. Patrick's Day

From The Prez

Carl Luetzelschwab, K9LA
Guest at March Meeting
My Friends Restaurant – Zoom - Repeater

We are in for a real treat at the March meeting. We will have a program featuring Carl Luetzelschwab, K9LA, the ARRL Central Division Vice Director. We have included a short profile of Carl down the page highlighting some of his many impressive accomplishments. We expect Carl to speak on propagation and Solar Cycle 25, followed by a question and answer session. Carl's presentation is sure to be exceptionally informative, laden with details gained over many years of experience and knowledge acquisition. This is one you surely don't want to miss.

We will format the meeting similarly to how we have done the last couple of months. The actual meeting will begin at 7:30 from the restaurant and we will patch in Zoom and the repeater. The Zoom meeting will be projected on the screen in the dining room. Once again, Ron, K8RJH, will monitor and control the Zoom component, and David, KD8ACO, will control the repeater.

My Friends Restaurant is located at 11616 Detroit Rd. in Cleveland. Dinner reservations are for 6:00 PM. We always emphasize dinner is optional; members are certainly welcome to attend and not order dinner.

With the opportunity to attend the meeting in person, via Zoom on the internet, or on the repeater - which is capable of 2 meters, UHF digital Fusion, EchoLink, and AllStar; there is little or no reason not to attend the March meeting. Hope to “see” you there.

Picnic Meetings

We will return to our customary three picnic meetings this summer. The club voted to hold picnic meetings in June, July, and August at the February meeting. The Metroparks management is hoping to reopen the pavilions in April, apart from any governmental mandates. If they do, we will have electricity and shelter from any inclement weather. We likewise are planning to continue our simultaneous Zoom and on-the-air meeting connections from the park. The summer picnic meetings have always been popular, but after this crazy year of being cooped up, I’m sure we are all looking forward getting out more. We have been planning meetings on a month to month basis since last March when the pandemic began, and if the Busch Community Rooms remain closed, we may wish to take advantage of the park venue more than the three months planned. Please think about it, and we can discuss it at the March meeting.

73, Toby, WT8O

Free Radios

Mark, KC8ESG, has graciously offered to donate several radios to CARS members who have been licensed less than one year. Mark has several Baofeng HTs he would like to give to new hams that need help getting started. Any newly licensed CARS member wishing to take advantage of Mark’s offer please contact him at: m.rosewicz@hotmail.com or 440-476-8110.

Ron, K8RJH, busy at the controls coordinating the Zoom meeting, the CARS repeater run by David, KD8ACO, and the activities in the dining room of My Friends Restaurant at the February meeting.

Carl Luetzelschwab, K9LA
ARRL Central Division Vice Director (2016 - Current)

"Carl has been a radio amateur since 1961. His interests include propagation, DXing, antennas, vintage equipment, and contesting. He served as National Contest Journal (**NCJ**) editor from 2002 until 2007 and, until 2015 contributed the "Propagation" column to the bi-monthly publication and articles to other Amateur Radio publications. Luetzelschwab received The Bill Orr, W6SAI, Technical Writing Award for 2013 for his article "**The Sun and the Ionosphere**," which appeared in the March 2013 issue of QST and won the March **QST Cover Plaque Award** for the same article. His **website** (www.k9la.us) offers considerable information on propagation and related subjects. He's been on several DXpeditions and is at the top of the DXCC Honor Roll."

[Reprinted from the ARRL website]

Joe, KD8BAL, thanks Tom Sly, WB8LCD, for his excellent presentation at the February meeting.

VE Session

The next VE testing session will be held Sunday, March 14th, at 9:00 AM at the Masonic Lodge, 29500 Center Ridge Rd., Westlake, Ohio 44145. For information or an appointment please contact Metro, W8MET, at 216-520-1320 or metro351@sbcglobal.net.

As always, walk-ins are welcome.

March Birthdays

Shauna Welch, KESMAC	3/1
Mike Cegelski, KSEHP	3/2/42
Dave Rickon, NFSO	3/3/47
Rick Lukich, KESMAD	3/5
Blaine Coleman, KASKPB	3/18/46
Dave Korow, ACSTN	3/18/60
Terry Pillat, KBSDTC	3/18/46
John Dernar, KESMAI	3/20
Chuch Mehozonek, KSCVM	3/27/56
Gary Abramowski, KESPZJ	3/29/42
Simpson Huston, NSUZF	3/29/48
Mark Moro, WJSWM	3/30/62
Bruce Bacik, NSDJX	3/31/42
Kim Balach, KDSFTU	3/31/88

Minutes of the
CUYAHOGA AMATEUR RADIO SOCIETY
February 09, 2021 (Tuesday)

LOCATION---The meeting was held at My Friends Restaurant, at 11616 Detroit Avenue in Cleveland. The meeting was also available via Zoom and on the club Repeater.

CALLED TO ORDER---The meeting was called to order by President Toby Kolman, WT8O, at 7:30 P.M.

PLEDGE OF ALLEGIANCE---Those present pledged allegiance to the flag of the United States of America.

INTRODUCTIONS---Those present introduced themselves. Those who attended via Zoom, and on the Repeater, also introduced themselves.

Tom Sly, WB8LCD, addresses the group via Zoom.

JANUARY MINUTES---The January minutes were approved as published in the *Wobbly Oscillator.*

TREASURER'S REPORT---Bob Check, W8GC, gave the Treasurers' report via Zoom.

PRESIDENT'S REPORT---President Toby, WT8O, reported that the club is still in need of a club photographer and someone to make coffee for us at our meetings.

NEW MEMBER---A new member was voted into the club. She is: Elsetra Scruggs, KE8PEM.

NEXT MEETING---The March 9th meeting will once again be held at My Friends Restaurant. The meeting will also available on Zoom and on the club repeater.

The members present at the February meeting enjoyed a fine dinner and each other's company.

Andy, KD8SCV, gets ready to draw a winner in the 50/50 drawing.

50/50 DRAWING---The 50/50 drawing was won by Jim, N8FND.

PUBLIC SERVICE---The Cleveland Marathon is still on schedule. It usually falls on the same day as the Dayton Hamvention. Since the Hamvention has been canceled for 2021, it is hoped that many Amateur Radio operators will volunteer for the marathon this year.

PICNIC MEETINGS---Toby, WT8O, made a motion that we hold our June, July, and August meetings in the Metroparks. The motion was seconded, discussed, voted on, and approved.

ADJOURNMENT---The meeting was adjourned at 8:15 P.M.

Ed Stevens, WB8ROK,
Secretary

After the meeting, Tom Sly, WB8LCD, ARRL Ohio Section Manager gave a talk on his history in Amateur Radio.

March Net Shed

MAR	3	N8OWS
MAR	10	AC8NW
MAR	17	KD8ACO
MAR	24	KC8ESG
MAR	31	WT8O

Nets are run every Wednesday at 9:00 PM on:

146.820 (PL 110.9)

443.825 (+) PL Tone 131.8
Digital Yaesu Fusion
Linked to 146.82 Repeater

EchoLink Node 343470 (K8ZFR-R)

Allstar Node 47067

Next CARS Meeting

Tuesday, March 9th
7:30 PM

My Friends Restaurant
11616 Detroit Rd.
Dinner at 6:00 pm

Also on Zoom
&
The CARS Repeater

Guest Speaker
Carl Luetzelschwab
K9LA
ARRL Central Division
Vice Director

Experience the "Raspberry Pi" this Spring!
Ron, K8RJH

The Raspberry Pi is a low cost, high performance microprocessor module intended for STEM (Science, Technology, Engineering, and Math) school programs. It was introduced nearly 10 years ago to educators in 2012. Not surprisingly, Amateur Radio applications for this module family has taken interest and grown significantly offering practical applications and use for every ham shack.

A Raspberry Pi (in its various forms) is a credit card sized computer, which costs very little, from under $20 for the Raspberry Pi Zero to over $70 for the top-spec Raspberry Pi 4. This low price in part helps makes the "Pi" a compelling platform for hams looking to use and experiment. It is readily available on-line and through local computer/hobbyist store outlets.

The Raspberry Pi doesn't use a traditional hard drive, instead it uses inexpensive SD cards to store the Operating System and software also keeping it's cost low.

One advantage for the Amateur is that Raspberry Pi projects have open internet support with ready-to-use hardware setup documentation with precompiled software. This relieves the user of the effort of compiling the technical "nuts and bolts" of software for most Amateur DIY projects. There are ample knowledge and software resources available on the internet at no-cost that can make almost any project easy to build, configure, function and fun.
As a sample of what a Ham can do with a Raspberry Pi, here are just 10 of the most popular Amateur Projects as reported by Raspberrypi.org for last year. The actual list is quite extensive.

1. Decoding Amateur Data Modes – Including RTTY, PSK, CW on FLDigi
2. Remote Software Defined Radio (SDR) – Exploring the RF Spectrum, decoding signals
3. WSPR Transmitter - Capable LF/MF/HF/VHF WSPR transmitter using the GPIO pinouts
4. Amateur Satellite Tracking - Install the GPredict software for a Powerful RealTime Tracker
5. Digital Voice (DV) Hotspot – Popular MMDVM Access to the Connected Digital Voice Amateur WorldWide Community
6. APRS I-Gate – Easily Build a APRS (Automatic Packet Reporting System) Digipeater
7. ADS-B Flight Tracker - Using the PiAware software with a SDR monitor real time ADS-B (Automatic Dependent Surveillance – Broadcast) airline flight tracking
8. Rotator Controller - Safely control your Rotatable Antennas during contests with PiRotator
9. Retro Gaming Arcade machines – Good use of the Raspberry during quiet band conditions, and
10. Media Centre – Manage your Station Audio Quality and Media Content

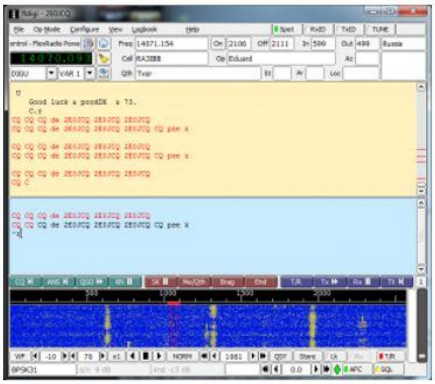
I have enjoyed building most of the above projects over the past few months and have ended up learning a lot on the latest techniques using software and physically interfacing to radios, controllers, and devices.

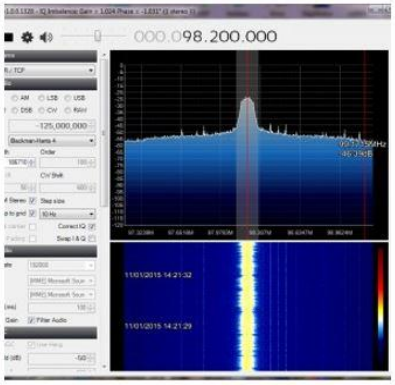
My favorite to date is the MMDVM Hotspot, which I now use weekly to check into several interesting Ham regional and worldwide nets.

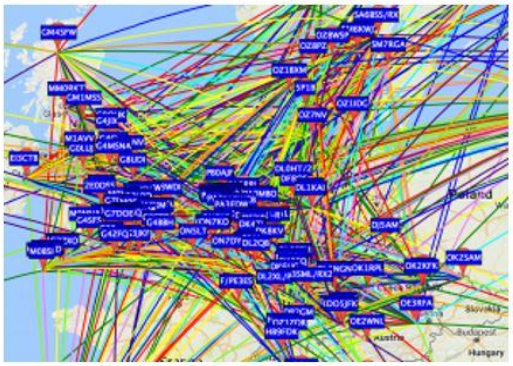
Much more information is available on the internet with www.Raspberrypi.org being a good place to start. For me, it does makes the Amateur Radio experience "Spring" with more interest! Have fun learning.

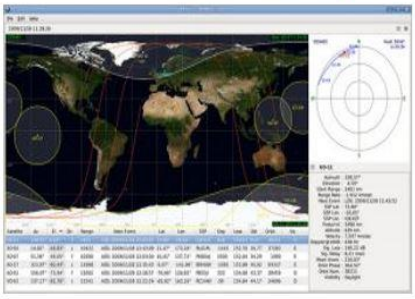
Some Other Popular Raspberry Pi Applications by Hams

“AirPi” air measuring station	Minecraft programmable world
3D Printer Controller	"ownCloud" Private Server
Advice Machine	Raspberry Pi security system
Air Quality Monitor	Smart coffee machine pump
Binary Clock	Smart Home Headquarters
DNS server	Streaming device for music, images, and videos
Home server & Media Center	Ted – the talking toaster
Interactive LED surface	Video game console
LED windows	Voice command for garage door
Magic Mirror	VPN server
Mail server	WiFi Extender
	Zelda Automated Home









Raspberry Pi Applications

Devices Used to assemble many
Raspberry Pi Amateur Radio Projects

CARS
Repeaters

146.820 (-) PL Tone 110.9

Main Site – Brecksville

Receive Only Site – Brunswick

Receive Only Site – Shaker Hts.

Allstar Node 47067

EchoLink Node 343470 (K8ZFR-R)

****

443.825 (+) PL Tone 131.8

Digital Yaesu Fusion

Linked to 146.82 Repeater

Brecksville

****

444.75 (+) Receive PL Tone 131.8

449.75 Transmit

Stand-alone Not Linked

Shaker Hts.

NASA Report
Bob, KC8MRC

The Boeing Starliner has a target launch date of April 2, 2021 for its second unmanned flight to the International Space Station.

[Editor's note: Jesse Kolman, son of WT8O, works at the NASA Jet Propulsion Laboratory (JPL) in Pasadena, California, where the recent Mars landing was controlled. Although his work is classified and he cannot express details, he conveyed to his family the tension felt by the team before the mission was complete and the exuberance afterword.]

Skywarn Training Schedule

Location	Date & Time	Address	Basic / Advanced	Contact Info	Preregistration
Online	3/2/2021 600 pm	Online	Basic	Freddie Zeigler freddie.zeigler@noaa.gov	Required: Register Here
Online	3/8/2021 1000 am	Online	Basic	Freddie Zeigler freddie.zeigler@noaa.gov	Required: Register Here
Online	3/12/2021 1000 am	Online	Basic	Freddie Zeigler freddie.zeigler@noaa.gov	Required: Register Here
Online	3/15/2021 200 pm	Online	Basic	Freddie Zeigler freddie.zeigler@noaa.gov	Required: Register Here
FACEBOOK LIVE	3/22/2021 200 pm	Online	Basic	Freddie Zeigler freddie.zeigler@noaa.gov	None
Online	3/30/2021 600 pm	Online	Basic	Freddie Zeigler freddie.zeigler@noaa.gov	Required: Register Here
Online	4/6/2021 1000 am	Online	Basic	Freddie Zeigler freddie.zeigler@noaa.gov	Required: Register Here

Here is the general link…

https://www.weathersafety.ohio.gov/SkyWarn.aspx

And go for the Cleveland Link, March 2, 6:00 – 8:00 PM here…

https://www.weather.gov/cle/SKYWARN_schedule

Club Dues Notice
Bob, W8GC

Thank you all who have already paid you CARS dues for 2021.

Dues can be paid in 3 ways, online by sending the funds via PayPal to w8gc@2cars.org *PLEASE USE PERSONAL OPTION*, you can also mail a check to:
CARS,
7395 Brecksville Rd.
Independence, OH 44131

or pay in person at any CARS meeting. Dues are $26.00 per year for regular membership. Each additional family member is $16.00. If you are 60 yrs or older your dues are only $18.00 per year. *CARS will offer assistance to anyone having a hardship. Please let me know if you have a hardship or know a member who needs help.*

73, Bob, W8GC
216-524-1750

Terry, KB8DTC, sent us this picture from Naples, Florida. He told us on the net he and XYL Cathy, biked four miles down to the beach pulling the trailer. He looks pretty well equipped to enjoy the day with Cathy, a lawn (beach?) chair, and his HT. Hopefully he finds the nickel he dropped in the sand. Hi-hi.

Honorary Members

Any person who by nature of outstanding or meritorious contribution to the furtherance of amateur radio and the ideals of the Cuyahoga Amateur Radio Society

Robert Check, W8GC
Elected 2/10/15

Thomas Wayne, WB8N
Elected 1/10/17

Dwaine Modock, K8ME, SK
Elected 5/9/17

Toby Kolman, WT8O
Elected 10/10/17

Jerry Smith, NW9H
Elected 5/8/18

Ron Borkey, K8VJG, SK
Elected 5/14/19

FOR SALE

Cushcraft A4S

Excellent Condition

$150

Contact Toby,WT8O

440-525-6109 or wt8o@att.net

The *Wobbly Oscillator* is a publication of the Cuyahoga Amateur Radio Society, P.O. Box 31264, Independence, Ohio, 44131-0264. Articles from this publication may be reprinted in any ham radio publication, provided that credit is given to this publication and the author, if known. All submissions should be emailed to: wt8o@att.net by the end of the month for publication in the next month's issue.

Radiosport

Contests

Mar. 6, 0000 – Mar. 7, 2359 **ARRL International DX Contest, SSB** 1.8 – 28 Ph www.arrl.org/arrl-dx
Exchange: W/VE: RS, SP. DX: RS, Power

Mar. 13, 1200 – Mar. 14, 1200 **South American 10-Meter Contest** 28 CW Ph sa10m.com.ar
Exchange: RS(T), CQ zone

Mar. 27, 0000 – Mar. 28, 2359 **CQ WW WPX Contest** 1.8 – 28 Ph www.cqwpx.com
Exchange: RS, signal

Special Events Stations

Mar. 13, 1700 – 2359 **NI6IW** San Diego, CA **Launching of USS Midway** 14.320 7.250; 14.070 (PSK 31); D-STAR via PapaSystem repeaters www.qrz.com/db/ni6iw

Mar. 20 – Mar. 21, 1800 – 0300 **K7SWI** Middleton, ID **Arrows from the Air** 28.427 14.227 7.227 3.827 Certificate & QSL nq6s@att.net or www.qrz.com/db/k7swi

Mar. 23 – Mar. 25, 1400 – 2100 **W4LX** Fort Meyers, FL **Honoring World War II Gunners at Buckingham Airfield** 28.360 21.360 14.270 146.685 Certificate www.fmarc.net

State QSO Parties

Mar. 13, 1400 – Mar. 14, 2110 **Oklahoma QSO Party** 3.5 – 50 CW Ph k5cm.com/okqp.htm
Exchange: RS(T), county or SPC (State, Province, DX Entity)

Mar. 13, 1900 – Mar. 14, 1900 **Idaho QSO Party** 1.8 – 28 CW Ph pocatelloarc.org/idahoqsoparty
Exchange: County or SPC

Mar. 14, 1800 – Mar. 15, 0100 **Wisconsin QSO Party** All Bands CW Ph Dig www.warac.org/wqp
Exchange: County or SPC

Mar. 20, 1400 – Mar. 21, 2359 **Virginia QSO Party** All Bands CW Ph Dig www.qsl.net/sterling
Exchange: Serial, county or SPC

Sampling from March, 2021 *QST* - Pg. 72 and 92. See *QST* for many more events.

All times in GMT ZULU time

CARS 2021 Officers & Committees

Audit
WJ8WM ** WT8O, KD8OUE

Audio/Video
AC8NW **

ARRL Liaison
WJ8WM **

Awards
W8GC ** WT8O

Christmas party & Summer Picnic
WJ8WM **, K8ARP

Club Photographer
N8OWS **

Field Day
K8RGI **, WJ8WM, K8ARP, KD8SCV, AC8NW, AC8TN, WT8O, K8RJH, N8BBB food

50/50
KD8SCV

Hamvention Bus
KD8FTS **

License classes
KD8ACO **, WT8O, K8SHB

Media Representative
KD8SCV

Membership
WT8O ** W8GC

NET
WT8O **

Newsletter
WT8O ** 440-525-6109
wt8o@att.net

Programs at Meetings
KD8BAL ** KD8FTS, KE8OZU

Property Custodian's
KB8DTC records, W8GC equipment

Public Services
K8RJH **

QSL Manager - W8HBI, W8BM
WB8N **

Refreshments at Meetings & Picnic
K8RJH ** pop, NW8X ** Donuts

Scholarship
W8GC ** WJ8WM, K8RGI, WB8ROK, WT8O

Sunshine (welfare)
Andy, KD8SCV ** 440-886-0723

Technical
AC8NW ** N8OVW, WJ8WM, KD8ACO, K8RJH, K8MD, KB8DTC

VE Exams
Metro, W8MET ** 216-520-1320

Web Master/e-mail
W8GC **

** chairman or co-chairman

2021 Officers

PRESIDENT
Toby Kolman WT8O 440-525-6109
wt8o@att.net

VICE-PRESIDENT
Mark Moro, WJ8WM 216-661-0342

SECRETARY
Ed Stevens, WB8ROK 216-267-5473
Alternate Secretary: KE8OZU

TREASURER:
Bob Check W8GC 216-524-1750
Alternate Treasurer: Bob Robbins, K8RGI

Board Members & License Trustees

Board Chairman:
Mike Kemmett, KD8OUE 216-744-4636 c
Alternate Chairman:
K8ARP, Arp Viiberg

even year executive board 2 year term
AC8NW, KB8DTC, KD8OUE

odd year executive board 2 year term
K8RGI, K8ARP, K8RJH

License trustee
K8ZFR
WT8O

License trustee
W8HBI, W8BM,
W8GC

February 1, 2021